

1980 WORLD FOOD PRODUCTION: A COMMODITY DISAGGREGATION,  
TOTAL WORLD AND TOP THREE COUNTRY PRODUCTION

by

Carl R. Zulauf\*

March 1983

\*Carl Zulauf is assistant professor of agricultural economics at The Ohio State University.

The author wishes to thank Kathy Mattfeld for her editorial and typing services.

1980 WORLD FOOD PRODUCTION: A COMMODITY DISAGGREGATION,

TOTAL WORLD AND TOP THREE COUNTRY PRODUCTION

by

Carl R. Zulauf

During 1980, a drought reduced crops in many countries around the world. Most notable were the U.S. corn, cotton, and soybean crops; Argentina's corn crop; crop production in general in the USSR; and the potato crop in Poland. For some crops the drought caused changes in the top three producing countries and/or the order within the top three. However, for most crops only the magnitude, not the order, was affected.

Since corn was the most affected of the top three commodities worldwide, total world production of corn, rice, and wheat for 1979 and 1981 are presented below for comparison purposes.

	<u>World Production</u>	
	1979	1981
	(1000MT)	
Corn	418,357	451,704
Rice	377,394	413,785
Wheat	428,777	458,195

Crop/Country <sup>a</sup>	Area (1000 ha) <sup>b</sup>	Yield (KG/ha) <sup>c</sup>	Production (1000 MT) <sup>d</sup>
FOOD GRAINS			
<u>Wheat</u> <sup>e</sup>			
World	236,883	1,877	444,603
USSR	61,475	1,597	98,185
U.S.	28,727	2,249	64,619
China	28,841	1,878	54,158
<u>Rice, Paddy</u>			
World	143,534	2,770	397,597
China	33,887	4,200	142,338
India	39,773	2,010	79,930
Bangladesh	10,309	2,020	20,822
<u>Rye</u>			
World	16,532	1,600	26,452
USSR	8,645	1,180	10,205
Poland	3,039	2,161	6,566
Germany, Fed. Rep.	547	3,836	2,098
FEED GRAINS			
<u>Corn</u>			
World	128,764	3,060	394,056
U.S.	29,555	5,711	168,787
China	20,035	3,050	61,105
Brazil	11,438	1,781	20,374
<u>Barley</u>			
World	78,588	2,030	159,567
USSR	31,583	1,376	43,450
France	2,650	4,421	11,716
Canada	4,634	2,429	11,258

Crop/Country <sup>a</sup>	Area (1000 ha) <sup>b</sup>	Yield (KG/ha) <sup>c</sup>	Production (1000 MT) <sup>d</sup>
---------------------------	--------------------------------	-------------------------------	--------------------------------------

#### Sorghum

World	44,993	1,241	55,839
U.S.	5,068	2,903	14,712
China	3,103	2,388	10,504
Mexico	1,579	3,048	4,812

#### Oats

World	24,935	1,721	42,912
USSR	11,770	1,321	15,544
U.S.	3,501	1,900	6,652
Canada	1,515	1,998	3,028

#### Millet<sup>f</sup>

World	43,267	655	28,355
India	17,866	530	9,461
China	4,102	1,415	5,803
Nigeria	5,030	622	3,130

### ROOTS AND TUBERS

#### Potatoes

World	17,978	12,800	230,122
USSR	6,936	9,663	67,023
Poland	2,344	11,260	26,391
U.S.	467	29,405	13,737

#### Sweet Potatoes

World	12,026	12,061	145,045
China	9,262	13,526	125,280
Viet Nam	443	5,324	2,358
Indonesia	287	7,655	2,193

Crop/Country <sup>a</sup>	Area (1000 ha) <sup>b</sup>	Yield (KG/ha) <sup>c</sup>	Production (1000 MT) <sup>d</sup>
<u>Cassava<sup>g</sup></u>			
World	13,777	8,674	119,506
Brazil	2,006	11,669	23,411
Thailand	1,015	13,414	13,615
Indonesia	1,414	9,571	13,532
OIL PRODUCING CROPS			
<u>Soybeans</u>			
World	51,816	1,561	80,870
U.S.	27,461	1,776	48,772
Brazil	9,766	1,551	15,153
China	7,515	1,052	7,906
<u>Cotton<sup>i</sup></u>			
World	32,975	1,277	42,113
USSR	3,147	3,166	9,962
China	4,920	1,651	8,121
U.S.	5,348	1,211	6,478
<u>Groundnuts in Shell</u>			
World	18,673	917	17,131
India	6,905	727	5,020
China	2,453	1,503	3,686
U.S.	566	1,849	1,047
<u>Sunflowers</u>			
World	12,208	1,107	13,519
USSR	4,353	1,069	4,652
U.S.	1,537	1,137	1,748
Argentina	1,900	868	1,650

Crop/Country <sup>a</sup>	Area (1000 ha) <sup>b</sup>	Yield (KG/ha) <sup>c</sup>	Production (1000 MT) <sup>d</sup>
<u>Rapeseed</u>			
World	10,642	996	10,597
Canada	2,080	1,194	2,483
China	2,653	899	2,386
India	3,471	411	1,428
<u>Palm Oil</u>			
World	---j	---j	5,384
Malaysia	---j	---j	2,822
Indonesia	---j	---j	722
Nigeria	---j	---j	675
<u>Coconuts</u>			
World	---j	---j	36,665
Indonesia	---j	---j	10,900
Philippines	---j	---j	9,640
India	---j	---j	4,500
PULSES			
<u>Total Pulses<sup>1</sup></u>			
World	62,444	637	39,756
India	22,263	404	8,992
China	5,862	1,135	6,652
USSR	4,715	1,350	6,364
<u>Dry Beans</u>			
World	23,823	519	12,370
India	8,700	299	2,600
China	1,962	842	1,652
Brazil	4,638	425	1,969

Crop/Country <sup>a</sup>	Area (1000 ha) <sup>b</sup>	Yield (KG/ha) <sup>c</sup>	Production (1000 MT) <sup>d</sup>
---------------------------	--------------------------------	-------------------------------	--------------------------------------

#### Dry Peas

World	7,030	1,360	9,558
USSR	3,829	1,436	5,500
China	1,600	1,438	2,300
India	496	464	230

#### VEGETABLES<sup>m,n</sup>

##### Total Production

World	---j	---j	315,649
China	---j	---j	74,096
India	---j	---j	40,026
USSR	---j	---j	25,892

#### Tomatoes

World	2,391	20,865	49,883
U.S.	158	43,059	6,787
USSR	394	15,765	6,210
Italy	126	35,353	4,454

#### Cabbages

World	1,629	20,946	34,131
USSR	377	22,671	8,540
China	417	13,980	5,836
Japan	103	35,544	3,661

#### Dry Onions

World	1,571	12,223	19,204
China	210	12,593	2,642
India	220	7,500	1,650
USSR	171	8,920	1,528

Crop/Country <sup>a</sup>	Area (1000 ha) <sup>b</sup>	Yield (KG/ha) <sup>c</sup>	Production (1000 MT) <sup>d</sup>
---------------------------	--------------------------------	-------------------------------	--------------------------------------

FRUITS AND BERRIES<sup>o,p</sup>

Total Production

World	---j	---j	290,433
U.S.	---j	---j	29,001
Italy	---j	---j	21,167
Brazil	---j	---j	18,859

Grapes<sup>q</sup>

World	---j	---j	66,560
Italy	---j	---j	13,081
France	---j	---j	10,400
Spain	---j	---j	6,722

Bananas<sup>r</sup>

World	---j	---j	39,443
Brazil	---j	---j	6,736
India	---j	---j	4,500
Philippines	---j	---j	3,977

Oranges

World	---j	---j	38,188
U.S.	---j	---j	10,734
Brazil	---j	---j	8,858
Spain	---j	---j	1,741

NUTS

Total Production<sup>s,t</sup>

World	---j	---j	3,999
U.S.	---j	---j	543
Turkey	---j	---j	472
China	---j	---j	380



Country/Crop <sup>a</sup>	Area (1000 ha) <sup>b</sup>	Yield (KG/ha) <sup>c</sup>	Production (1000 MT) <sup>d</sup>
---------------------------	--------------------------------	-------------------------------	--------------------------------------

# BEVERAGE CROPS

## Coffee (Green)

World	9,847	477	5,846
Brazil	2,207	452	998
Columbia	1,084	668	724
Ivory Coast	1,046	239	250

## Cocoa Beans

World	4,584	350	1,604
Ivory Coast	690	580	400
Brazil	470	630	296
Ghana	1,200	208	250

## Tea

World	2,386	779	1,857
India	375	1,539	577
China	1,157	284	328
Sri Lanka	245	782	191

# TOBACCO<sup>u</sup>

World	4,082	1,283	5,237
China	608	1,382	840
U.S.	373	2,175	810
India	425	1,031	439

# WATERMELONS

World	1,887	13,347	25,189
Turkey	230	19,348	4,450
China	230	18,449	4,241
USSR	500	6,700	3,350

Crop/Country <sup>a</sup>	Area (1000 ha) <sup>b</sup>	Yield (KG/ha) <sup>c</sup>	Production (1000 MT) <sup>d</sup>
---------------------------	--------------------------------	-------------------------------	--------------------------------------

SUGAR CANE

World	13,249	54,328	719,800
Brazil	2,605	56,069	146,065
India	2,610	49,358	128,833
Cuba	1,361	45,843	62,374

SUGAR BEET

World	8,977	29,284	262,892
USSR	3,710	21,444	79,559
France	545	48,346	26,347
U.S.	480	44,405	21,321

## LIVESTOCK AND LIVESTOCK PRODUCTS

Livestock <sup>w,x</sup>	Number Slaughtered (1000 head)	Carcass Weight (Kg/animal)	Production (1000 MT)
--------------------------	--------------------------------------	----------------------------------	-------------------------

Hogs and Pigs

World	797,202	69	55,290
China	263,956	62	16,438
U.S.	96,885	78	7,536
USSR	68,370	74	5,092

Beef and Veal

World	228,145	198	45,130
U.S.	36,795	272	9,999
USSR	37,386	178	6,673
Argentina	14,052	205	2,876

Poultry<sup>y</sup>

World	---j	---j	27,208
U.S.	---j	---j	6,627
China	---j	---j	2,992
USSR	---j	---j	2,103

Mutton and Lamb

World	387,880	15	5,849
USSR	52,736	15	814
New Zealand	38,831	15	577
Australia	30,538	18	549

## ANIMAL PRODUCT

Cow Milk<sup>z,aa</sup>

World	427,162
USSR	90,200
U.S.	58,298
France	33,300

Livestock<sup>w,x</sup>

Production  
(1000 MT)

---

Eggs (Hen)

World	28,334
China	4,601
U.S.	4,126
USSR	3,724

## FOOTNOTES

<sup>a</sup>For some country-crop combinations the 1980 data are either preliminary estimates or unofficial estimates. This type of data was most common for minor crops and for the developing countries.

<sup>b</sup>ha = hectares; 1 ha = 2.471 acres.

<sup>c</sup>(Kg/ha) = (kilogram/hectare); 1 kg = 2.205 pounds.

<sup>d</sup>MT = metric ton; 1 MT = 2205 pounds.

<sup>e</sup>Includes spelt except for USSR.

<sup>f</sup>Includes sorghum for countries which make no distinction between sorghum and millet in their statistics. Especially prominent for African countries.

<sup>g</sup>Includes bitter and sweet cassava.

<sup>h</sup>Other oil producing crops include castor beans, cowpeas, flax, hemp, linseed, olives, safflower, sesame, tung, and vetch.

<sup>i</sup>During 1980, world production of cottonseed equalled 27,039,000 metric tons.

<sup>j</sup>Not reported.

<sup>k</sup>Production is expressed in terms of weight of the whole nut, excluding only the fibrous outer husk.

<sup>l</sup>Total pulses include dry beans, dry broad beans, dry peas, chick peas, and lentils among others.

<sup>m</sup>In general, the estimated data refer to crops grown in fields and market gardens mainly for sale for human consumption. They thus exclude vegetables grown only as feed and vegetables cultivated in kitchen gardens or small family gardens mainly for household consumption.

<sup>n</sup>Vegetables not included in the table and whose production exceeded 10,000,000 metric tons in 1980 are cucumbers and gherkins and carrots.

<sup>o</sup>Generally, data relate to plantation crops or orchard crops grown mainly for sale. Data on production from scattered trees used mainly for home consumption and from wild plants, particularly berries, are usually not collected.

<sup>p</sup>Fruit and berry crops exceeding 10,000 metric tons in 1980 and not included in the table are apples, mangos, plantains, and strawberries.

<sup>q</sup>Wine production in 1980 totaled 34,926,000 metric tons.

<sup>r</sup>Some countries publish only an estimated production for bananas and plantains. When this combining occurs and there is some indication or assumption that the data reported relate mainly to bananas, the total figure is treated as bananas only.

<sup>s</sup>Production refers to nuts in the shell or in the husk. Excluded from the table are nuts used for flavoring beverages, as are masticatory and stimulant nuts and nuts used mainly for the extraction of oil or butter. Data are very scanty and generally refer only to crops for sale.

<sup>t</sup>Only almond production exceeded 1,000,000 metric tons in 1980.

<sup>u</sup>Farm sales weight (as far as could be determined for some countries).

<sup>v</sup>Excludes crops grown explicitly for feed. In 1980, raw centrifugal sugar produced totaled 84,212,000 metric tons while noncentrifugal sugar produced totaled 12,729,000 metric tons.

<sup>w</sup>Production relates to animals slaughtered within national boundaries irrespective of origin. Includes both commercial and farm slaughter.

<sup>x</sup>Total 1980 meat production for animals not listed:

(1000 MT)

Buffalo	1,266
Goat	1,993
Horse	583

<sup>y</sup>Poultry for most countries are on a ready-to-cook weight basis.

<sup>z</sup>Total 1980 milk production for animals not listed:

(1000 MT)

Buffalo	27,199
Goat	7,386
Sheep	7,671

<sup>aa</sup>1980 world production of various milk products:

(1000 MT)

All cheeses	11,351
Butter and Ghee	6,960
Dry Whole Cow's Milk	1,726
Dry Skim Milk plus Buttermilk	4,217
Dry Whey	1,014
Evaporated Condensed Milk	4,749

SOURCE: United Nations, Food and Agricultural Organization, 1981 FAO Production Yearbook, Vol. 35, FAO: Italy, 1982.